Bachelor of Science in Electrical Engineering

Year 1

Fall			Spring		
ENGL 1301*	Composition I	3	PHYS 2425	University Physics I	4
MATH 2413*	Calculus and Analytical Geometry I	4	MATH 2414	Calculus and Analytical Geometry II	4
CHEM 1311*	General Chemistry I	3	HIST 1301*HI	US History I 1763-1877	3
CHEM 1111*	General Chemistry I Laboratory	1	Communication Core*#CO	COMM 1321, DSDE 1371, FREN 1311, SPAN 1311	3
ELEN 1100	Intro Electrical Engineering	1			
PHIL 1370*PH	Philosophy of Knowledge	3			
Semester Hours		15	Semester Hours		14

Year 2

Fall			Spring		
PHYS 2426	University Physics II	4	ELEN 3328	Quantum Mechanics for EE	3
MATH 3435	Calculus & Analytic Geo III	4	ELEN 2411	Circuits I	4
MATH 3328	Linear Algebra I	3	ELEN 3431	Digital Logic Design	4
MATH 2318	Intro to theory of Statistical Inference	3	MATH 3301	Ordinary Differential Equations	3
Social & Behavioral Sciences*#SBS	ECON 1301, 2301, 2302, ENGR 2308, PSYC 2301, SOCI 1301	3			
Semester Hours		17	Semester Hours		14

Year 3

Fall			Spring		
ELEN 3312	Circuits II	3	ELEN 3313	Signals & Systems	3
ELEN 3371	Electromagnetics	3	ELEN 3322	Electronics II	3
ELEN 3421	Electronics I	4	ELEN 3381	Electroical Analysis	3
ELEN 4486	Microcomputers	4	ELEN 3441	Fund. Power Engr.	4
			ELEN 4387	Microcomputers II	3
Semester Hours		14	Semester Hours		16

Year 4

Fall			Spring		
ELEN 4200	Electrical Power Engineering Seminar	2	ELEN 4207	Senior Project Design II	2
ELEN 4206	Senior Project Design I	2	ELEN ElectiveEE		3
ELEN 4351	Control Engineering	3	HIST 1302*HI	US History II Since 1877	3
ELEN ElectiveEE		3	POLS 2302*	Intro American Govt II	3
ELEN ElectiveEE		3	Fine Arts Core*#FA	ARTS 1301, DANC 2304, COMM 1375	3
POLS 2301*	Intro american Govt I	3			
Semester Hours		16	Semester Hours		14
				Total Hours:	120

All STEM courses require a grade of "C" or better to satisfy degree plan/prerequisite requirements

PH	or PHIL 2306 Ethics
EE	Non-EE courses may be substituted if approved by the Dept. Chair
CO	Communication electives are: COMM 1315, 1321, DSDE 1371, FREN 1311 or SPAN 1311
FA	Fine Arts electives are: ARTS 1301, 1303, DANC 2304, MUSI 1306, COMM 1375 or PHIL 1330
HI	Two semesters of US or Texas history from HIST 1301, 1302, or 2301
SBS	Social and Behavioral Science electives are: ECON 1301, PSYC 2301, SOCI 1301, ENON 2301, 2302 or ENGR 2308
PR	ELEN 1301 - Intro to Computers & Programming is needed before taking ELEN 2411 Circuits I
	(An equivalent high school programming course may be accepted)

*Core Curriculum Course
#Please discuss these course option with your advisor to determine what course best meets your needs
Students should meet with their academic advisor to verify their plan and track their progress